

imMTrax Enhancements and Changes

Fall 2016

History

Add Immunization

Edit Client

Reports

Print

Print Confidential

Vaccine Group	Date Administered	Series	Trade Name	Dose	Owned?	Reaction	Hist?	Edit
DTP/aP	05/01/2006	1 of 4			No		Yes	
	07/25/2006 ⓘ	NOT VALID			No		Yes	
	09/12/2006 ⓘ	2 of 4			No		Yes	
	05/17/2007	3 of 4			No		Yes	
	05/19/2011	4 of 4			No		Yes	
HepB	03/02/2006	1 of 3		Full	No		No	
	05/01/2006	2 of 3			No		Yes	
	07/25/2006 ⓘ	NOT VALID			No		Yes	
	09/12/2006 ⓘ	3 of 3			No		Yes	
Hib	05/01/2006	1 of 3			No		Yes	
	07/25/2006	2 of 3			No		Yes	
	05/17/2007	3 of 3			No		Yes	
MMR	05/17/2007	1 of 2			No		Yes	
	05/19/2011	2 of 2			No		Yes	
Novel H1N1	10/27/2009	EXTRA		Full	No		No	
Pneumococcal	05/01/2006	EXTRA			No		Yes	
	07/25/2006	EXTRA			No		Yes	
	09/12/2006	EXTRA			No		Yes	
	03/01/2007	EXTRA			No		Yes	
Polio	05/01/2006	1 of 3			No		Yes	
	07/25/2006 ⓘ	NOT VALID			No		Yes	
	09/12/2006 ⓘ	2 of 3			No		Yes	
	05/19/2011	3 of 3			No		Yes	
Varicella	03/01/2007	1 of 2			No		Yes	
	05/19/2011	2 of 2			No		Yes	

Current Age: 10 years, 1 day

Vaccines Recommended by Selected Tracking Schedule

Non-validated doses are not included in the forecasting logic.
Non-validated doses should be confirmed.

Vaccine Group	Earliest Date	Recommended Date	Overdue Date	Latest Date
Influenza	08/28/2006	08/28/2006	09/27/2006	
Hep A	02/28/2007	02/28/2007	02/28/2008	
Tdap > 7 years	02/28/2017	02/28/2017	02/28/2019	
MCV4	02/28/2017	02/28/2017	02/28/2019	
HPV	02/28/2015	02/28/2017	02/28/2019	02/28/2106

Yellow = Can Administer Green = Due Blue = Overdue Pink = Completed or Invalid

View Explanation of Schedule Highlighting

Forecaster Limitations and Known Issues

Note: We are actively working with our vendor to see all identified forecasting issues are corrected as soon as possible

New Immunization Forecaster – Known Issues

Users Types Impacted: All users

Vaccine Group: Td DTaP Tdap (clients 7 years and older)

In varying instances, the application of a Td or Tdap to a client record who is older than 7 years old is incorrectly triggering a forecast for DTaP.

History

Add ImmunizationEdit ClientReportsPrintPrint Confidential

Vaccine Group	Date Administered	Series	Trade Name	Dose	Owned?	Reaction	Hist?	Edit
HepB	08/25/2015	1 of 3			No		Yes	
Td	01/29/2007	Booster			Yes		Yes	

Current Age: 47 years, 3 months, 13 days

Vaccines Recommended by Selected Tracking Schedule

Non-validated doses are not included in the forecasting logic.
Non-validated doses should be confirmed.

Vaccine Group	Earliest Date	Recommended Date	Overdue Date	Latest Date
Influenza	10/02/1969	10/02/1969	11/01/1969	
MMR	01/01/1971	01/01/1971	01/31/1971	
Hep A	01/01/1996	01/01/1996	01/31/1996	
HepB	09/22/2015	09/25/2015	10/25/2015	
DTP/aP	01/29/2012	01/29/2017	02/28/2017	

Yellow = Can Administer **Green** = Due **Blue** = Overdue **Pink** = Completed or Invalid
[View Explanation of Schedule Highlighting](#)

New Immunization Forecaster – Known Issues

Users Types Impacted: All users

Vaccine Group: DTaP

The fourth dose of DTaP is forecasting a recommended date in month 12 instead of month 15. The earliest date can be 12 months as long as 6 months has passed between dose 3 and 4.

Vaccine Group	Date Administered	Series	Trade Name	Dose	Owned?	Reaction	Hist?	Edit
DTP/aP	03/01/2016	1 of 5	Pediarix ®		No		Yes	
	05/03/2016	2 of 5	Pediarix ®		No		Yes	
	07/14/2016	3 of 5	Pediarix ®		No		Yes	
HepB	01/02/2016	1 of 3			No		Yes	
	03/01/2016	2 of 3	Pediarix ®		No		Yes	
	05/03/2016	NOT VALID	Pediarix ®		No		Yes	
Hib	07/14/2016	3 of 3	Pediarix ®		No		Yes	
	03/01/2016	1 of 3	PedvaxHIB ®		No		Yes	
	05/03/2016	2 of 3	PedvaxHIB ®		No		Yes	
Pneumococcal	03/01/2016	1 of 5			No		Yes	
	05/03/2016	2 of 5			No		Yes	
	07/14/2016	3 of 5			No		Yes	
Polio	03/01/2016	1 of 4	Pediarix ®		No		Yes	
	05/03/2016	2 of 4	Pediarix ®		No		Yes	
	07/14/2016	3 of 4	Pediarix ®		No		Yes	
Rotavirus	03/01/2016	1 of 3	RotaTeq ®		No		Yes	
	05/03/2016	2 of 3	RotaTeq ®		No		Yes	
	07/14/2016	3 of 3	RotaTeq ®		No		Yes	
Current Age: 8 months, 21 days								
Vaccines Recommended by Selected Tracking Schedule								
Non-validated doses are not included in the forecasting logic. Non-validated doses should be confirmed.								
Vaccine Group	Earliest Date	Recommended Date	Overdue Date	Latest Date				
Influenza	07/01/2016	07/01/2016	07/31/2016					
MMR	01/01/2017	01/01/2017	05/01/2017					
Pneumococcal	01/01/2017	01/01/2017	05/01/2017	01/01/2021				
Varicella	01/01/2017	01/01/2017	05/01/2017					
HepA	01/01/2017	01/01/2017	01/01/2018					
Hib	01/01/2017	01/01/2017	05/01/2017					
DTP/aP	01/14/2017	01/14/2017	08/01/2017					

New Immunization Forecaster – Known Issues





Users Types Impacted: All users

Vaccine Group: Pneumococcal

Pneumococcal series (ACIP recommended schedule) is displaying as: ___ of 5. When the fourth dose is given, the series changes to ___ of 4 .

Example:

Vaccine Group	Date Administered	Series	Trade Name	Dose	Owned?	Reaction	Hist?	Edit
Pneumococcal	05/22/2015	1 of 5			Yes		Yes	
	07/23/2015	2 of 5			Yes		Yes	
	09/24/2015	3 of 5			Yes		Yes	

Vaccine Group	Date Administered	Series	Trade Name	Dose	Owned?	Reaction	Hist?	Edit
Pneumococcal	05/22/2015	1 of 4			Yes		Yes	
	07/23/2015	2 of 4			Yes		Yes	
	09/24/2015	3 of 4			Yes		Yes	
	03/22/2016	4 of 4			Yes		Yes	

New Immunization Forecaster – Known Issues

Users Types Impacted: All users

Vaccine Group: Pneumococcal, adults 65 and older

Pneumococcal will forecast for adults 65 and older, however multiple issues have been identified:

- After entering or applying a pneumococcal directly in imMTrax, series may incorrectly display either: 1 of 2 or EXTRA.
- Forecast display is not always updating correctly after applying a pneumococcal (PCV 13) to a client record.

If the user takes the step to update the Trade Name to Prevnar 13, or chooses the specific vaccine group PNU Conj 13 from the historical entry dropdown selections, the series and forecaster may correct to 1 of 1, with the forecast display updating accordingly. The solution has not been observed as successful in all cases.

New Immunization Forecaster – Known Issues


Users Types Impacted: All users



Vaccine Group: Influenza

Influenza administered to a person less than 9 years is displaying a series of: 1 of 1.

The forecast display accurately forecasts a second dose 28 days later.

When a second dose is administered, the second dose displays a series of BOOSTER.

Vaccine Group	Date Administered	Series	Trade Name	Dose	Owned?	Reaction	Hist?	Edit
Influenza	01/20/2016	1 of 1			Yes		Yes	
Current Age: 8 years, 1 day								
Vaccines Recommended by Selected Tracking Schedule								
Non-validated doses are not included in the forecasting logic. Non-validated doses should be confirmed.								
Vaccine Group	Earliest Date	Recommended Date	Overdue Date	Latest Date				
HepB	09/21/2008	09/21/2008	12/21/2008					
Polio	11/02/2008	11/21/2008	12/21/2008					
MMR	09/21/2009	09/21/2009	01/21/2010					
Varicella	09/21/2009	09/21/2009	01/21/2010					
Hep A	09/21/2009	09/21/2009	09/21/2010					
Tdap > 7 years	09/21/2015	09/21/2015	10/21/2015					
Td	10/19/2015	10/19/2015	11/18/2015					
Influenza	02/17/2016	02/20/2016	03/21/2016					
HPV	09/21/2017	09/21/2019	09/21/2021	09/21/2108				

Vaccine Group	Date Administered	Series	Trade Name	Dose	Owned?	Reaction	Hist?	Edit
Influenza	01/20/2016	1 of 1			Yes		Yes	
	02/20/2016	Booster			Yes		Yes	
Current Age: 8 years, 1 day								
Vaccines Recommended by Selected Tracking Schedule								
Non-validated doses are not included in the forecasting logic. Non-validated doses should be confirmed.								
Vaccine Group	Earliest Date	Recommended Date	Overdue Date	Latest Date				
HepB	09/21/2008	09/21/2008	12/21/2008					
Polio	11/02/2008	11/21/2008	12/21/2008					
MMR	09/21/2009	09/21/2009	01/21/2010					
Varicella	09/21/2009	09/21/2009	01/21/2010					
Hep A	09/21/2009	09/21/2009	09/21/2010					
Tdap > 7 years	09/21/2015	09/21/2015	10/21/2015					
Td	10/19/2015	10/19/2015	11/18/2015					
Influenza	08/01/2016	10/01/2016	10/31/2016					
HPV	09/21/2017	09/21/2019	09/21/2021	09/21/2108				

New Immunization Forecaster – Known Issues

Users Types Impacted: All users

Vaccine Group: Hep A

In the event a pediatric dose of Hep A is administered and recorded to an adult record, forecaster is not registering the dose as INVALID.

Vaccine Group	Date Administered	Series	Trade Name	Dose	Owned?	Reaction	Hist?	Edit
Hep A	01/18/2016	1 of 2	Havrix-Peds 2 Dose @		No		Yes	
Current Age: 21 years, 3 months, 16 days								
Vaccines Recommended by Selected Tracking Schedule								
Non-validated doses are not included in the forecasting logic. Non-validated doses should be confirmed.								
Vaccine Group	Earliest Date	Recommended Date	Overdue Date	Latest Date				
HepB	03/15/1995	03/15/1995	06/15/1995					
Influenza	09/15/1995	09/15/1995	10/15/1995					
MMR	03/15/1996	03/15/1996	07/15/1996					
Varicella	03/15/1996	03/15/1996	07/15/1996					
MCV4	03/15/2006	03/15/2006	03/15/2008					
HPV	03/15/2004	03/15/2006	03/15/2008	03/15/2095				
Tdap > 7 years	03/15/2016	03/15/2016	04/14/2016					
Hep A	07/18/2016	07/18/2016	08/18/2017					
Yellow = Can Administer Green = Due Blue = Overdue Pink = Completed or Invalid View Explanation of Schedule Highlighting								

New Immunization Forecaster – Known Issues

Users Types Impacted: All users

Vaccine Group: Hep B

The fourth dose HepB, where there is a minimum of 4 weeks between dose 1 and 2, 8 weeks between doses 2 and 4, 16 weeks between doses 1 and 4, and the 4th dose is administered on or after 24 wks of age --> 4th dose should show valid.

Client Information						VFC Eligible: No		
Client Name (First - MI - Last)	DOB	Gender	Mother's Maiden	Tracking Schedule	Chart #			
HEPBFOURDOSE TEST	11/22/2014	F		ACIP				
Address								
History						Add Immunization Edit Client Reports Print Print Confidential		
Vaccine Group	Date Administered	Series	Trade Name	Dose	Owned?	Reaction	Hist?	Edit
DTP/aP	01/23/2015	1 of 5	Pediarix ®		No		Yes	
	04/02/2015	2 of 5	Pediarix ®		No		Yes	
	05/22/2015	3 of 5	Pediarix ®		No		Yes	
HepB	11/22/2014	1 of 3			No		Yes	
	01/23/2015	2 of 3	Pediarix ®		No		Yes	
	04/02/2015 [i]	NOT VALID	Pediarix ®		No		Yes	
	05/22/2015 [i]	NOT VALID	Pediarix ®		No		Yes	
Polio	01/23/2015	1 of 4	Pediarix ®		No		Yes	
	04/02/2015	2 of 4	Pediarix ®		No		Yes	
	05/22/2015	3 of 4	Pediarix ®		No		Yes	
Current Age: 1 year, 9 months, 9 days								
Vaccines Recommended by Selected Tracking Schedule								
Non-validated doses are not included in the forecasting logic. Non-validated doses should be confirmed.								
Vaccine Group	Earliest Date	Recommended Date	Overdue Date	Latest Date				
Pneumococcal	01/03/2015	01/22/2015	02/22/2015	11/22/2019				
Hib	01/03/2015	01/22/2015	02/22/2015					
Influenza	05/22/2015	05/22/2015	06/21/2015					
HepB	07/17/2015	07/17/2015	08/22/2016					
MMR	11/22/2015	11/22/2015	03/22/2016					
DTP/aP	11/22/2015	11/22/2015	06/22/2016					
Varicella	11/22/2015	11/22/2015	03/22/2016					
Hep A	11/22/2015	11/22/2015	11/22/2016					


Yellow = Can Administer Green = Due Blue = Overdue Pink = Completed or Invalid

New Immunization Forecaster – Known Issues

Users Types Impacted: All users

Vaccine Group: Zoster

If a zoster is recorded to a adult client record that was administered prior to their 50th birthday, a forecast for varicella is incorrectly triggered.

Vaccine Group	Date Administered	Series	Trade Name	Dose	Owned?	Reaction	Hist?	Edit
Zoster	09/22/2016	1 of 1			Yes		Yes	
Current Age: 46 years								
Vaccines Recommended by Selected Tracking Schedule								
Non-validated doses are not included in the forecasting logic. Non-validated doses should be confirmed.								
Vaccine Group	Earliest Date	Recommended Date	Overdue Date	Latest Date				
Influenza	03/22/1971	03/22/1971	11/19/2016					
HepB	01/01/1986	01/01/1986	01/31/1986					
Tdap > 7 years	09/22/1991	09/22/1991	10/22/1991					
Hep A	01/01/1996	01/01/1996	01/31/1996					
MMR	10/20/2016	10/20/2016	11/19/2016					
Varicella	10/20/2016	10/20/2016	11/19/2016					

New Immunization Forecaster – Known Issues

Users Types Impacted: All users

Vaccine Group: All

DTP/aP

11/14/2000

of 5

No

Yes



Before

Series: DTAP {Vaccine Group: DTP/aP}								
Dose	Min Age	Min Rec Age	Min Overdue Age	Min Valid Interval	Min Interval Between	Rec Interval Between	Overdue Interval Between	Max Age
1	42 D	2 M	3 M					7 Y
2	70 D	4 M	5 M		28 D	2 M	3 M	7 Y
3	98 D	6 M	7 M		28 D	2 M	3 M	7 Y
4	12 M	15 M	19 M	4 M	6 M	6 M	7 M	7 Y
5	4 Y	4 Y	6 Y		6 M	6 M	7 M	7 Y

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After – does not include minimum and maximum ages, intervals, etc.

Vaccine Group: DTP/aP				
Dose	Earliest Date	Recommended Date	Overdue Date	Latest Date
1	11/03/2000	11/22/2000	12/22/2000	09/22/2120
2	12/20/2000	01/22/2001	02/22/2001	09/22/2120
3	02/19/2001	03/22/2001	04/22/2001	09/22/2120
4	09/22/2001	09/22/2001	04/22/2002	09/22/2120
5	09/22/2004	09/22/2004	09/22/2007	09/22/2120

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We are exploring our options with our vendor to see if we can get these columns reintegrated into this function.

Enhancements to Existing imMTrax Functions

Fall 2016

Provide User Feedback

Users Types Impacted: All users

Description: The option to provide user feedback will be available on every page within imMTrax.

Org: **Billings Clinic** • Site: **BC- Downtown Pediatrics/2086** • User: **michelle funchess**

Client Search Criteria

Last Name*	<input type="text"/>	SSN	<input type="text"/> - <input type="text"/> - <input type="text"/>	<input type="button" value="Find"/>
First Name*	<input type="text"/>	Phone	<input type="text"/> - <input type="text"/> - <input type="text"/>	
Birth Date*	<input type="text"/>	Chart#	<input type="text"/>	
Mother's First Name	<input type="text"/>	imMTrax ID	<input type="text"/>	
Mother's Maiden Last	<input type="text"/>			
Medical Home Association	<input type="text"/>			

* Fields displayed in *italics* are required for adding new patients.

[Provide Feedback](#) (for user support click the help desk link at the top of the page)

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User Feedback

Submit ideas and suggestions for the ImMTrax (ImmPact) system. This information will be relayed to the appropriate state staff for review. User submissions are greatly appreciated but are not a guarantee of implementation. Many factors contribute to the decisions of advancing the IIS.

Note: Please call the Help Desk if you have an issue and need assistance.

Username:

Person Name:

Phone: - -

OK to Contact?: ☒

Functional Area*:

Summary*:

Description:

Select Font Size B I U x₂ x₃ [List Icons] [Table Icon] [Link Icon]

Vaccine selection in merge only shows the vaccine group. I know there is a difference between the two influenza doses, but can't tell which one is which.

Auto-Generated Immunization Coverage Graph to Include Secondary Associations

Users Types Impacted: All

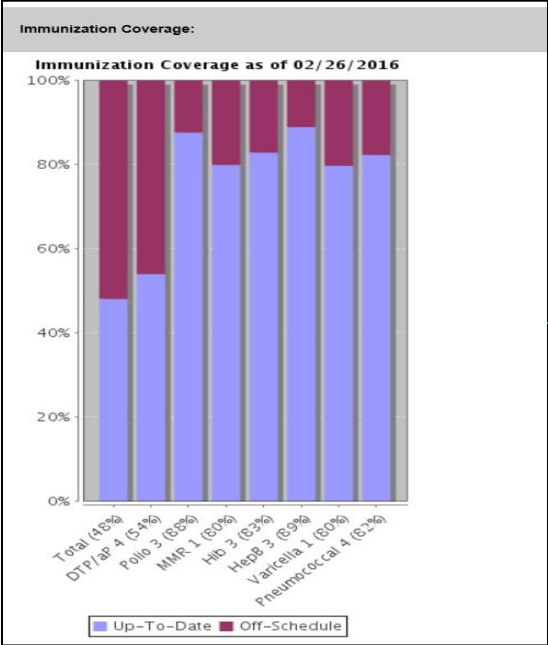
Description: In order to increase the usability and meaningfulness of the daily immunization coverage graph and accompanying data, the parameters will now include Primary and Secondary Medical Home Associations. *Note: The daily immunization coverage features do not display for users logged in under a site with no associated clients that meet the standardized parameters.*

BEFORE:

- Site-Specific
 - Primary Medical Home Associations Only
- Ages 19-35 months
- Evaluates completion of: 4 DTaP, 3 Polio, 1 MMR, 3 Hib, 3 Hep B, 1 Varicella, 4 Pneumococcal.

AFTER:

- Site-Specific
 - Primary and Secondary Medical Home Associations
- Ages 19-35 months
- Evaluates completion of: 4 DTaP, 3 Polio, 1 MMR, 3 Hib, 3 Hep B, 1 Varicella, 4 Pneumococcal.



Click the graph to access more information

Daily Client Report Status					
Report Type	Started	Completed	Percent Complete	Birth Date Start	Birth Date End
Coverage Rates	09/16/2016 18:08:30 PDF	09/16/2016 18:59:21	100	10/16/2013	02/16/2015
	09/16/2016 18:08:30 CSV				
Patient Listing	09/16/2016 18:08:29 PDF	09/16/2016 18:59:21	100	10/16/2013	02/16/2015
	09/16/2016 18:08:29 CSV				

Additional Selection Criteria Added to the Immunization Coverage Report Options

Users Types Impacted: Select, functions not available to Read Only and Read Only w/Consent users

Description: A number of additional selection criteria have been added to Immunization Coverage Report options.

New Features:

- Option to generate by Birth Date Range or Age Range. Age Range may be set to Months or Years, and must include an **As Of** date.
 - Example: From 11 to 17 years as of 06/01/2016.
- Editable **Immunized as of** field
- Two antigens added to the vaccine group selections: Hep A and Rotavirus
- Three pick-list immunization series options are now available:
 - 4-3-1-4-3-1-4 (4 Dtap, 3 Polio, 1 MMR, 3 Hib/4Hib (per type), 3 HepB, 1 Varicella, 4 Pneumococcal)
 - 1-1-1 (1 HPV, 1 Tdap, 1 MCV4)
 - 3-1-2 (3 HPV, 1 Tdap, 2 MCV4)

The screenshot shows the 'Immunization Coverage Report Criteria' form. It includes sections for Cohort selection (Organization, Site, Association), Birth Date Range, Age Range, UTD Rule to Apply, Coverage Level, and Output Type Options. Red boxes highlight the 'Immunized as of' date field in the UTD rule and the '4-3-1-4-3-1-4' immunization series option.

Immunization Coverage Report Criteria

Cohort:

Organization(s)* Billings Clinic
Site(s)* BC- Downtown Pediatrics
Association* Primary

Birth Date Range:

From [] To []

Age Range:

From [] To [] ☐ Months ☐ Years **As Of** []

Note: Either Birth Date Range or Age Range must be specified to run the report.

UTD Rule to Apply:

☐ CASA Rules (Valid By Age Two)
☒ ACIP Schedule (Valid By Schedule)
Effective Date: **Immunized as of** 02/29/2016

Coverage Level:

☐ By Vaccine Group

Vaccine Groups: DTaP, HepB, Hib, HPV, MCV4, MMR

Selected Vaccine Groups: []

☐ 4-3-1-3-3 (4 DTaP, 3 Polio, 1 MMR, 3 Hib, 3 HepB)
☐ 4-3-1-3-3-1 (4 DTaP, 3 Polio, 1 MMR, 3 Hib, 3 HepB, 1 Varicella)
☒ 4-3-1-3-3-1-4 (4 DTaP, 3 Polio, 1 MMR, 3 Hib, 3 HepB, 1 Varicella, 4 Pneumococcal)
☐ 4-3-1-4-3-1-4 (4 DTaP, 3 Polio, 1 MMR, 3 HIB / 4 HIB (per type), 3 HepB, 1 Varicella, 4 Pneumococcal)
☐ 1-1-1 (1 HPV, 1 Tdap, 1 MCV4)
☐ 3-1-2 (3 HPV, 1 Tdap, 2 MCV4)
☐ Single antigen required to be up-to-date

Output Type Options:

☐ Patient Listing
☒ Coverage Rates

Improved Immunization Coverage Report Output

Users Types Impacted: Select, functions not available to Read Only and Read Only w/Consent users

Description: A number of additional selection criteria have been added to Immunization Coverage Report options.

Immunization Coverage Report

For Age Range Between 13Y and 17Y As of 03/31/2016

Coverage Level: 3 HPV, 1 Tdap, 2 MCV4

Data Cohort: SITE

Report Run On: 04/18/2016 07:45:30

Immunized As Of: 04/18/2016

ORGANIZATION	SITE	Series	Total Clients	Number Up-To-Date	Number Off Schedule	Percent Up-To-Date	Percent Off Schedule
Site X		3-1-2	759	254	505	33%	67%
		3 HPV	759	264	495	35%	65%
		2 MCV4	759	588	171	77%	23%
		1 Tdap > 7 years	759	650	109	86%	14%

Immunization Coverage Report

ORGANIZATION: | SITE:

For Age Range Between 13Y and 17Y As of 03/31/2016 | Immunized As Of: 04/18/2016

Report Run On: 04/18/2016 07:45:09

Coverage Level: 3 HPV, 1 Tdap, 2 MCV4

Name	Birth Date	Responsible Person	Phone	Vaccines Overdue	Date Due
Client A	08/22/1999			HPV 1	08/22/2012
				MCV4 1	08/22/2012

Coverage Rate Option:

- Parameters used to generate report will be clearly displayed in the report heading (chosen antigens/series, age range used, report date, and immunized as of date)
- All antigens included in the parameters will generate individual coverage rates, included below the overall coverage of the antigens/series chosen.

Patient Listing Option:

- Parameters used to generate report will be clearly displayed in the report heading (chosen antigens/series, age range used, report date, and immunized as of date)
- Series number will be included and display in the vaccines overdue column.

Additional Selection Criteria Added to the Reminder/Recall Options

Users Types Impacted: Select, functions not available to Read Only and Read Only w/Consent users

Description: Three pick-list options have been added to the available options in the Reminder and Recall module.

Three pick-list immunization series options are now available:

- 4-3-1-4-3-1-4 (4 Dtap, 3 Polio, 1 MMR, 3 Hib/4Hib (per type), 3 HepB, 1 Varicella, 4 Pneumococcal)
- 1-1-1 (1 HPV, 1 Tdap, 1 MCV4)
- 3-1-2 (3 HPV, 1 Tdap, 2 MCV4)

The screenshot shows a web-based interface for selecting vaccine groups and other criteria for a reminder/recall report. The interface is organized into several sections:

- Select the Vaccine Group(s) ...**: This section has two radio buttons: "Use All Vaccine Groups" (selected) and "Use Vaccine Groups Selected". To the right is a list of vaccine groups: Ty21a, Typhim-Vi, Typhoid, Varicella, Yellow Fever, and Zoster. There are buttons for "Add All >>", "Add >", "< Remove", and "<< Remove All". Below this list, three specific immunization series are highlighted with a blue box:
 - ☐ 4-3-1-4-3-1-4 (4 DTap, 3 Polio, 1 MMR, 3 Hib / 4 Hib (per type), 3 HepB, 1 Varicella, 4 Pneumococcal)
 - ☐ 1-1-1 (1 HPV, 1 Tdap, 1 MCV4)
 - ☐ 3-1-2 (3 HPV, 1 Tdap, 2 MCV4)A fourth option, "Use Deferred Status Only", is also present.
- Select the Organization, Sites and/or Lot...**: This section includes a dropdown for "Organization" (currently "Billings Clinic"), a list of "Sites" (including BC- Bozeman OBGYN, 420 BC- Family Birth Center, 2088 BC- Family Medicine Downtown, 2087 BC- Heights, 1565 BC- Miles City, and BC- St. Johns Employee Clinic), and buttons for "Add All >>", "Add >", "< Remove", and "<< Remove All". There is also a dropdown for "Association" (currently "Primary or Secondary") and a "NOTE" about lot numbers.
- Select the School & Primary Care Provider ...**: This section has dropdowns for "School" and "Provider (PCP)".
- Enter Additional Demographic Criteria ...**: This section includes dropdowns for "City", "Zip Code", and "County".
- Enter the Date Criteria ...**: This section includes a "Target Date Range" with "From" and "To" date pickers, and a "Birth Date Range" with "From" and "To" date pickers. There are also options for "Patient Age", "Weeks Since Last Notice", and "Exclude clients more than" (with a dropdown for "Month(s) Overdue").
- Specify How to Sort the Report Data ...**: This section includes dropdowns for "Sort 1st By" (Last Name), "Sort 2nd By" (First Name), "Sort 3rd By", and "Sort 4th By", each with an "Ascending" dropdown.

At the bottom of the form are "Generate" and "Cancel" buttons.

Merge Vaccine Level Display

Users Types Impacted: Select, merge-capable users only

Description: Vaccines being evaluated in the Merge Queue will display more detailed vaccine information, rather than the vaccine group only. This change will allow merge users to make the best selections possible, resulting in the most complete and accurate record possible.

BEFORE:

Immunizations		
	<input type="checkbox"/> DTP/aP	<input type="checkbox"/> DTP/aP
08/27/1991	<input type="checkbox"/> Hib	<input type="checkbox"/> Hib
	<input type="checkbox"/> Polio	<input type="checkbox"/> Polio
	<input type="checkbox"/> DTP/aP	<input type="checkbox"/> DTP/aP
10/16/1991	<input type="checkbox"/> Hib	<input type="checkbox"/> Hib
	<input type="checkbox"/> Polio	<input type="checkbox"/> Polio
	<input type="checkbox"/> DTP/aP	<input type="checkbox"/> DTP/aP
01/09/1992	<input type="checkbox"/> Hib	<input type="checkbox"/> Hib
	<input type="checkbox"/> DTP/aP	<input type="checkbox"/> DTP/aP
	<input type="checkbox"/> Hib	<input type="checkbox"/> Hib
10/05/1992	<input type="checkbox"/> MMR	<input type="checkbox"/> MMR
	<input type="checkbox"/> Polio	<input type="checkbox"/> Polio
08/08/1996	<input type="checkbox"/> DTP/aP	<input type="checkbox"/> DTP/aP
	<input type="checkbox"/> Polio	<input type="checkbox"/> Polio
08/22/2002	<input type="checkbox"/> MMR	

AFTER:

Immunizations		
	<input type="checkbox"/> DTP	<input type="checkbox"/> DTaP
08/27/1991	<input type="checkbox"/> Hib, unspecified	<input type="checkbox"/> Hib-PRP-T
	<input type="checkbox"/> Polio-Oral	<input type="checkbox"/> Polio-Inject
	<input type="checkbox"/> DTP	<input type="checkbox"/> DTaP
10/16/1991	<input type="checkbox"/> Hib, unspecified	<input type="checkbox"/> Hib-PRP-T
	<input type="checkbox"/> Polio-Oral	<input type="checkbox"/> Polio-Inject
	<input type="checkbox"/> DTP	<input type="checkbox"/> DTaP
01/09/1992	<input type="checkbox"/> Hib, unspecified	<input type="checkbox"/> Hib-PRP-T
	<input type="checkbox"/> DTP	<input type="checkbox"/> DTaP
	<input type="checkbox"/> Hib, unspecified	<input type="checkbox"/> Hib-PRP-T
10/05/1992	<input type="checkbox"/> MMR	<input type="checkbox"/> MMR
	<input type="checkbox"/> Polio-Oral	<input type="checkbox"/> Polio-Inject
08/08/1996	<input type="checkbox"/> DTP	<input type="checkbox"/> DTaP
	<input type="checkbox"/> Polio-Oral	<input type="checkbox"/> Polio-Inject
08/22/2002	<input type="checkbox"/> MMR	